

Date: Tue, 25 Oct 94 04:30:03 PDT  
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>  
Errors-To: Packet-Radio-Errors@UCSD.Edu  
Reply-To: Packet-Radio@UCSD.Edu  
Precedence: List  
Subject: Packet-Radio Digest V94 #81  
To: packet-radio

Packet-Radio Digest                      Tue, 25 Oct 94                      Volume 94 : Issue    81

Today's Topics:

   help  
                         LIVE NET ACCESS VIA PAC  
                         Software and BayComm Modem

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>  
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: 24 Oct 94 12:07:42 GMT  
From: imara@utcc.utoronto.CA (Imara Research Corp.)  
Subject: help

help

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Date: 24 Oct 94 01:49:06 GMT  
From: benterou1@llnl.GOV (Jerry Benterou)  
Subject: LIVE NET ACCESS VIA PAC

Mail\*Link(r) SMTP                      Re> LIVE NET ACCESS VIA PACKET

>  
>Date: 22 Oct 94 16:50:37 GMT  
>From: tony.rath@online.COM.bz  
>Subject: LIVE NET ACCESS VIA PACKET  
>  
>Is it possible to establish a TCP/IP network link via packet radio?    Or

>is it only possible to use e-mail? If so, what software and stations do  
>I need to know about. I run a Macintosh system.

>

>Please answer to personal address and if enough answer come back I will  
>summarize the responses and post.

>

>Tony Rath

><tony.rath@online.com.bz>

>

Dear Tony,

You have hit the nail on the head, my friend. Clearly there is a growing demand for live Amateur Packet Radio <--> Internet connections. Lots of us amateur radio operators would just love to have access in realtime to the Internet. There is much room here for the innovation and creativity that amateur radio experimenters are known for. The 80+ year history of amateur radio activity has a tradition of overcoming technical barriers to the furtherment of new and better communications modes. However, here are some technical hurdles and a few legal ones to get over before this could happen on a general scale.

Technical:

Not enough bandwidth for many amateurs to access Internet over the air at once.

Most land line connections to Internet are through highspeed telnet lines which have high enough bandwidth to allow FTP connections, file transfers, etc. Some lines like Ethernet run around 10 MHz. And there are literally millions of channels available. The result is very high throughput on the Net. On the other hand. Most TNCs owned by amateurs run at 1200 baud (some run at 9600). It is neither practical or legal to much higher data rates on 2-meters. So higher frequencies like 440, 920 or 1200 MHz must be used where there is more room. Some amateurs in Northern California (Sonoma County) are now experimenting with 230 bps links. We hope to hear more of these experiments in the future.

Legal:

It is legal for an amateur to send traffic over a radio link to Internet but it is still not legal for a non-amateur to send traffic from Internet via amateur packet radio links unless some amateur with a valid FCC license volunteers to be the control operator for passing third-party traffic. This is still a sticky issue with the FCC and doesn't look like it will be resolved in the near future.

I am interested in your opinion and that of others on this subject. I believe it is possible to have live Internet connections from packet radio when amateurs invent the hardware and operating procedures to do it. What do you think?

P.S. I am a macintosh user, too. I use a "gateway" to send and receive email from Internet. The software is NET/Mac which is available by ftp from ucsd.edu.

```
>>>>>>>>> Jerry Benterou <<<<<<<<<<
Lawrence Livermore National Laboratory
>>>>>>>>> benterou1@llnl.gov <<<<<<<<<
>>>>>>>>> TEL: 510-422-9821 <<<<<<<<<
>>>>>>>>> FAX: 610-422-9343 <<<<<<<<<
```

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----- RFC822 Header Follows -----
Received: by quickmail.llnl.gov with SMTP;24 Oct 1994 09:47:34 U
Received: from [128.115.39.111] (kk6wb.llnl.gov) by popcorn.llnl.gov
(4.1/LLNL-1.19)
        id AA23375; Mon, 24 Oct 94 09:40:58 PDT
X-Sender: e065286@popcorn.llnl.gov
Message-Id: <aad199c900021004efab@[128.115.39.111]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 24 Oct 1994 09:44:15 -0800
To: "Packet-Radio@UCSD.EDU"
<Packet-Radio#a#UCSD#d#EDU.SMTPQM@quickmail.llnl.gov>
From: benterou1@llnl.gov (Jerry Benterou)
Subject: Re> LIVE NET ACCESS VIA PACKET

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Date: 25 Oct 94 02:10:42 GMT  
From: jfking@usaferam.af.mil (260SF/XOCMA;SSgt John King;489-7697)  
Subject: Software and BayComm Modem

I recently purchased a BayCom modem, which comes with it's own ready to run software. Is it possible to use other software, and if so, does anyone have any suggestions. I would like to run a "windows" software package if possible. I've tried pktwin but with no luck.

John F. King  
jfkking@usaferam.af.mil

End of Packet-Radio Digest V94 #81

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